Index of Claims



Application/Control No.

10/563,099

Examiner

John T. Kwon

Applicant(s)/Patent under Reexamination

IIHOSHI ET AL.

Art Unit

3747

| √ | Rejected |
|---|----------|
|   | Allamad  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
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| 0 | Objected |

|                 |          | Γ-           |               |              |              |          |          |          |  |              | 1 1   |       |          |           |          |          |              |  |          |
|-----------------|----------|--------------|---------------|--------------|--------------|----------|----------|----------|--|--------------|-------|-------|----------|-----------|----------|----------|--------------|--|----------|
| Cla             | aim      | -            | _             |              | Date         |          |          |          |  |              | Claim |       |          | Date      |          |          |              |  |          |
| Final           | Original | 8/1/06       |               |              |              |          |          |          |  |              |       | Final | Original |           |          |          |              |  |          |
|                 | 1        | +            |               |              | İ            |          | T        | T        | Г  | Г            | 1     |       | 51       | ı         |          |          |              |  | T        |
|                 | 2        | L            |               |              |              |          |          |          |  |              | i I   |       | 52       |           |          |          |              |  | T        |
|                 | 3        | $\mathbf{L}$ |               |              |              |          |          |          |  |              | ]     |       | 53       |           |          |          |              |  | Γ        |
|                 | 4        | Щ            | _             |              |              | <u>L</u> | _        |          |  |              |       |       | 54       |           |          |          |              |  |          |
| <u></u>         | 5        | Ц.           |               |              |              | <u> </u> |          |          |  | L.           |       |       | 55       |           |          |          | _            |  |          |
| <u> </u>        | 6        | 4            | ⊢-            | <u> </u>     | _            | <u> </u> | <u> </u> |          |  |              |       |       | 56       |           |          |          | <u> </u>     |  | L        |
|                 | 7        | ₩            | <b></b> -     | _            |              | <u> </u> | _        |          |  | _            |       |       | 57       | $\dashv$  |          |          | _            |  | L        |
|                 | 9        | H            | ┢             | -            | ⊢            | <u> </u> | ├-       |          | -  | ⊢            |       |       | 58       | $\dashv$  |          |          | _            | <u> </u>   | L        |
|                 | 10       | ₩            | -             |              | -            |          | -        |          | -  |              |       |       | 59<br>60 | $\dashv$  |          |          |              |  | L        |
| <u> </u>        | 11       | ╫            | -             | -            |              | _        | ├        | -        | <del>                                     </del> | ┢            |       |       | 61       | $\dashv$  |          | <u> </u> | <del> </del> | <del> </del>                                     | ┝        |
|                 | 12       | ╫            | -             |              | $\vdash$     | -        | ├        | $\vdash$ | -  | $\vdash$     |       |       | 62       | $\dashv$  |          | -        | ┝            |  | H        |
|                 | 13       | +            | $\vdash$      | -            | $\vdash$     |          | ┢        | -        | ├  | ┢            |       |       | 63       | $\dashv$  |          |          | _            | ⊢  | ┝        |
|                 | 14       | Ħ            | <u> </u>      |              |              |          | -        | $\vdash$ |  |              | 1 1   |       | 64       | $\dashv$  | -        |          | $\vdash$     | $\vdash$   | H        |
|                 | 15       | T            |               |              | H            |          | $\vdash$ | H        |  |              | 1     |       | 65       | $\exists$ |          | _        | $\vdash$     | <del>                                     </del> | H        |
|                 | 16       | IT           | $\overline{}$ |              |              |          |          |          |  |              |       |       | 66       | H         |          |          |              | $\vdash$   | Н        |
|                 | 17       | П            |               |              |              |          |          | Г        |  |              | ii    |       | 67       |           |          |          |              |  | Г        |
|                 | 18       |              |               |              |              |          |          |          |  |              | 1 1   |       | 68       |           |          |          |              | Г  | Г        |
|                 | 19       |              |               |              |              |          |          |          |  |              |       |       | 69       |           |          |          |              |  | Г        |
| <u></u>         | 20       | Ш            |               |              |              |          |          | L        |  |              | ] [   |       | 70       |           |          |          |              |  |          |
|                 | 21       |              |               |              | L            |          |          |          |  |              |       |       | 71       |           |          |          |              |  |          |
| -               | 22       | Ш            | _             |              | L            | _        |          |          |  |              |       |       | 72       |           |          | <u></u>  |              |  | L        |
|                 | 23       | ′            | <u> </u>      |              | _            |          |          | <u> </u> |  | ļ            |       |       | 73       | $\perp$   |          |          |              |  | L        |
|                 | 24       | +            | _             |              | <u> </u>     |          |          | <u> </u> |  | _            |       |       | 74       |           | _        |          |              |  | L        |
|                 | 25       | _            |               | -            | <del> </del> |          |          | <u> </u> |  | _            |       |       | 75       | $\dashv$  | _        |          |              |  | L        |
|                 | 26<br>27 |              | H             | _            | <u> </u>     | H        | _        | <u> </u> |  | _            |       |       | 76<br>77 |           | _        |          |              |  | L        |
| -               | 28       | $\vdash$     | ⊢             | <del> </del> | -            | -        |          | <u> </u> | -  | <del> </del> |       |       | 78       |           | _        |          |              |  | _        |
|                 | 29       | $\vdash$     | $\vdash$      | ⊢            |              |          |          | ⊢        | -  | ⊢            |       |       | 79       | $\vdash$  | -        | —        | _            |  | -        |
|                 | 30       | $\vdash$     | -             | ┝            | H            |          | -        | <u> </u> |  |              |       |       | 80       | $\dashv$  | -        | _        |              | $\vdash$   | H        |
| Н               | 31       | -            | $\vdash$      | $\vdash$     | $\vdash$     |          | -        | -        | $\vdash$   | $\vdash$     |       |       | 81       |           | -        |          |              |  | _        |
|                 | 32       | _            |               |              |              |          |          |          |  |              |       |       | 82       |           |          |          | -            | _  | ┢        |
|                 | 33       |              |               |              |              |          |          |          |  |              |       |       | 83       |           |          |          |              | _  | Т        |
|                 | 34       |              |               |              |              |          |          |          |  |              |       |       | 84       |           |          |          |              |  |          |
|                 | 35       |              |               |              |              |          |          |          |  |              |       |       | 85       |           |          |          |              |  |          |
|                 | 36       |              |               |              |              |          |          |          |  |              |       |       | 86       |           |          |          |              |  |          |
|                 | 37       |              |               |              |              |          |          |          |  |              |       |       | 87       |           |          |          |              |  |          |
|                 | 38       |              |               |              |              |          | _        |          |  |              |       |       | 88       |           |          |          |              |  |          |
|                 | 39       | <u> </u>     |               | _            |              |          |          |          | L  | L            |       |       | 89       |           |          |          |              |  |          |
|                 | 40       |              | -             | <u> </u>     |              |          | <u> </u> |          |  | <u> </u>     |       |       | 90       |           | _        |          |              |  | L        |
|                 | 41       | _            |               | _            |              | _        |          |          |  | <u> </u>     |       |       | 91       | _         | _        |          |              |  | L        |
|                 | 42       |              |               | <u> </u>     | _            |          | L        |          | ļ  | <u> </u>     |       |       | 92       | _         |          |          |              |  | L        |
| $\vdash$        | 43<br>44 | $\vdash$     |               | _            | $\vdash$     |          | $\vdash$ | -        | -  | $\vdash$     |       |       | 93       | $\dashv$  | _        | $\vdash$ | <u> </u>     |  | -        |
|                 | 45       | $\vdash$     | -             | ⊢            | $\vdash$     |          | $\vdash$ | ļ        | <u> </u>   | -            |       |       | 94<br>95 | $\dashv$  | $\dashv$ |          | _            | $\vdash$   | $\vdash$ |
| ├─┤             | 46       | $\vdash$     |               | ⊢            | $\vdash$     | -        | $\vdash$ | —        | $\vdash$   | -            |       |       | 96       | $\dashv$  | $\dashv$ | _        |              | <u> </u>   | $\vdash$ |
| $\vdash\vdash$  | 47       | -            |               |              | $\vdash$     |          | -        | -        | -  | -            |       |       | 97       | $\dashv$  |          | _        | _            |  | $\vdash$ |
| $\vdash$        | 48       | Н            | _             | _            | $\vdash$     | H        | Н        |          | $\vdash$   | -            |       |       | 98       | $\dashv$  | $\dashv$ | -        |              |  | ┝        |
| H               | 49       | H            | H             | _            | -            | -        | $\vdash$ |          |  | -            |       |       | 99       | $\dashv$  | $\dashv$ | -        | _            | _  | $\vdash$ |
| $\vdash \dashv$ | 50       | Н            | $\vdash$      | _            |              | -        | $\vdash$ |          | _  |              |       |       | 100      | $\dashv$  | $\dashv$ | -        | -            |  | -        |
|                 |          | لب           | ш             |              | ш            |          |          | <u> </u> | _  | L            |       |       |          | 1         |          | Щ.       |              | لــــا   |          |

| L |       | ****     |          |          |          | <u> </u>     | zau          | -             |              |  |          |
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|   | Final | Original |          |          |          |              |              |               |              |  |          |
| ľ |       | 51       |          |          |          |              |              | _             |              |  |          |
| ı |       | 51<br>52 |          | _        | $\vdash$ | $\vdash$     |              |               |              | -  | _        |
| ŀ |       | 53       | ┢        | $\vdash$ | -        | $\vdash$     |              |               |              | _  | ┢        |
| ŀ |       | 54       | ┢        | _        | $\vdash$ | ⊢            | -            | <del> </del>  | _            | <del>                                     </del> | ├        |
| ŀ |       | 54<br>55 | ┝        | ├─       | ⊢        | <del> </del> |              |               |              |  | ┢        |
| ŀ |       | 55       | ⊢        | _        | -        | <u> </u>     | _            |               |              | ⊢  | <u> </u> |
| ŀ |       | 56<br>57 | <u> </u> |          | -        | <u> </u>     | _            |               |              | _  | <u> </u> |
| ŀ |       | 5/       | L        | <u> </u> | _        | _            |              |               |              | _  | ļ        |
| - |       | 58       | _        | _        |          | _            | <u> </u>     |               |              | _  |          |
| L |       | 59       | _        | L.       |          |              |              | _             |              | lacksquare                                       | _        |
| Ļ |       | 60       |          |          |          | <u> </u>     |              | _             |              |  | _        |
| L |       | 61       |          |          |          | L            |              |               |              |  |          |
|   |       | 62<br>63 |          | l        |          |              |              |               |              |  |          |
| ſ |       | 63       |          |          |          |              | Г            | Π             |              |  |          |
| Γ |       | 64       |          |          |          | Г            |              |               |              |  |          |
| ľ |       | 65       |          |          |          | Г            |              |               |              |  |          |
| 1 |       | 65<br>66 |          |          |          |              | $\vdash$     |               |              |  | T        |
| ŀ |       | 67       | ┢──      | _        |          |              | $\vdash$     | -             | <del> </del> |  | ┢        |
| ŀ |       | 68       | -        | $\vdash$ | _        | -            | $\vdash$     | $\vdash$      | $\vdash$     | $\vdash$   | ⊢        |
| ŀ |       | 69       | _        | ┢        | -        | -            | <del> </del> |               | _            |  | $\vdash$ |
| ŀ | -     | 70       |          | $\vdash$ | ⊢        | $\vdash$     | ┝            | ┝             | ⊢            |  |          |
| ŀ |       | 70<br>71 | _        | _        |          |              |              | -             | <u> </u>     |  | $\vdash$ |
| ŀ |       | 71       | _        | <u> </u> |          |              | <u> </u>     | _             | _            |  | L        |
| - |       | 72       |          | _        | _        |              | <u> </u>     | <u> </u>      | <u> </u>     |  | <u> </u> |
| ŀ |       | 73<br>74 |          | _        |          |              |              | _             |              |  | L.       |
| Ļ |       | 74       |          | <u> </u> | _        |              |              | Щ             |              | _  |          |
| L |       | 75       |          | _        |          |              |              |               | <u> </u>     |  |          |
| L |       | 76<br>77 |          |          |          |              |              |               |              |  |          |
| L |       | 77       |          |          |          |              |              |               |              |  |          |
| L |       | 78<br>79 |          |          |          |              |              |               |              |  |          |
|   |       | 79       |          |          |          |              |              |               |              |  |          |
| Γ |       | 80       |          |          |          |              |              |               |              |  |          |
| Γ |       | 81<br>82 |          |          |          |              |              |               |              |  |          |
| Γ |       | 82       |          |          |          |              |              |               |              |  |          |
| ı |       | 83       |          |          |          |              |              | $\overline{}$ | $\vdash$     |  |          |
| ı |       | 84       |          |          | Г        |              |              | _             | _            |  |          |
| ı |       | 85       |          |          | Г        |              |              |               | Т            |  | _        |
| ŀ |       | 86       | $\vdash$ | Н        | $\vdash$ | $\vdash$     | Н            | Н             | <u> </u>     | -  |          |
| ŀ |       | 87       |          | _        |          |              |              |               | _            |  |          |
| ۲ |       | 88       | _        |          | $\vdash$ | -            |              |               | _            | H  |          |
| H |       | 89       | _        | -        | $\vdash$ |              |              |               | _            | -  | -        |
| H |       | 90       |          | _        | -        |              |              |               | -            | _  | _        |
| H |       | 91       | _        | _        | -        |              |              |               |              | H  | H        |
| H |       |          |          | _        | _        |              |              |               | _            | -  |          |
| ŀ |       | 92       |          |          |          |              |              | _             |              |  |          |
| ŀ |       | 94       |          | <u> </u> | $\vdash$ | $\vdash$     | -            |               | $\vdash$     | $\vdash$   |          |
| - |       |          |          | Н        | $\vdash$ | <u> </u>     | $\vdash$     | $\vdash$      | <b>-</b>     |  | -        |
| - |       | 95       |          | $\vdash$ | $\vdash$ | $\vdash$     | <u> </u>     | -             | <u> </u>     | Н  | -        |
| ŀ |       | 96       |          |          | _        | <u> </u>     |              |               |              |  | <u> </u> |
| L |       | 97       |          | L        | L.,      | L            |              |               | <u> </u>     | Ш  | <u> </u> |
| L |       | 98       |          |          | _        | _            |              |               |              | Щ  |          |
| L |       | 99       |          |          | L        |              |              |               | $\Box$       |  | _        |
|   |       | 100      |          |          |          |              |              |               |              |  |          |

| Cli   | Date  |          |                |                                     |          |          |              |              |              |                 |  |
|-------|---|----------|----------------|-------------------------------------|----------|----------|--------------|--------------|--------------|-----------------|--|
|       | 1   |          |                |                                     |          |          |              |              |              |                 |  |
| Final | Original                                      | l        |                |                                     |          |          |              |              |              |                 |  |
| ᇤ     | Ç   | ١.       |                |                                     |          |          |              |              |              |                 |  |
|       |   |          |                |                                     |          | İ        |              | L            |              |                 |  |
|       | 101   |          |                |                                     |          |          |              |              |              |                 |  |
|       | 102   |          |                |                                     |          |          |              |              |              |                 |  |
|       | 101<br>102<br>103                             |          |                |                                     |          |          |              |              |              |                 |  |
|       | 104   |          | L              |                                     |          |          |              |              | L            |                 |  |
|       | 104<br>105<br>106                             |          |                | L                                   |          |          |              |              |              |                 |  |
|       | 106   |          | L              |                                     |          | <u> </u> |              | _            | <u> </u>     | Щ               |  |
|       | 107<br>108                                    | <u> </u> |                |                                     |          | _        |              |              |              | Ш               |  |
|       | 108   |          |                | L                                   |          |          |              |              |              |                 |  |
|       | 109   |          |                |                                     | <u> </u> | <u> </u> |              |              | _            | Щ               |  |
|       | 110   |          |                | ,                                   | <u></u>  |          |              |              | _            |                 |  |
|       | 111   |          |                |                                     | _        |          |              |              |              | Ш               |  |
|       | 112   |          |                |                                     |          |          |              | _            | <u> </u>     |                 |  |
|       | 112<br>113<br>114<br>115<br>116               |          |                |                                     |          | _        |              | _            |              | Ш               |  |
|       | 114   |          |                |                                     |          |          |              |              |              |                 |  |
|       | 115   |          |                |                                     |          |          |              |              | L            | <u> </u>        |  |
|       | 116   |          |                |                                     |          |          |              | <u> </u>     |              |                 |  |
|       | 117   | _        |                | _                                   |          |          |              |              |              | Щ               |  |
|       | 118   |          |                |                                     |          |          |              |              |              |                 |  |
|       | 118<br>119                                    |          |                | _                                   |          |          |              |              |              | Ш               |  |
|       | 120<br>121                                    |          |                |                                     |          |          |              |              |              |                 |  |
|       | 121   |          | L.             | <u> </u>                            |          |          |              |              |              | Ш               |  |
|       | 122   |          | _              | L                                   |          |          | L.           | <u> </u>     |              | Щ               |  |
|       | 123   |          |                | _                                   |          |          |              |              |              | Щ               |  |
|       | 123<br>124<br>125                             |          |                | _                                   |          | L.       |              |              |              | _               |  |
|       | 125   |          |                | _                                   |          |          |              |              |              | Ш               |  |
|       | 126<br>127<br>128<br>129<br>130<br>131<br>132 |          |                |                                     |          | <u> </u> |              |              | <u> </u>     | Щ               |  |
|       | 127   |          |                | ļ                                   |          | <u>_</u> | _            |              |              | Щ               |  |
|       | 128   |          |                | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | L        | <u> </u>     | <u> </u>     | <u> </u>     |                 |  |
|       | 129   | _        | _              |                                     |          | <u> </u> | _            |              | <u> </u>     | Щ               |  |
|       | 130   |          |                | _                                   | _        |          |              |              | <u> </u>     |                 |  |
|       | 131   |          |                |                                     | _        | _        |              | _            | <u> </u>     | $\vdash$        |  |
|       | 132   |          |                | _                                   |          | <u> </u> | <u> </u>     | _            | <u> </u>     | Щ               |  |
|       | 133   |          |                |                                     |          | _        | <u> </u>     |              | L            |                 |  |
|       | 134<br>135                                    | _        |                | _                                   | _        | <u> </u> | _            |              | <u> </u>     |                 |  |
|       | 135   | _        |                | $\vdash$                            | _        | ⊢        | $\vdash$     | _            | -            | $\vdash$        |  |
|       | 136   |          | <u> </u>       | <u> </u>                            |          | $\vdash$ | $\vdash$     | $\vdash$     | -            | $\vdash$        |  |
|       | 137<br>138<br>139                             |          | _              | <u> </u>                            |          | -        | <del> </del> | $\vdash$     | $\vdash$     | $\vdash$        |  |
|       | 120   | <u> </u> | _              | $\vdash$                            |          | <u> </u> | <u> </u>     |              | -            | $\vdash$        |  |
|       | 140   | -        | <u> </u>       |                                     | <u> </u> | H        | -            | -            | -            | $\vdash\vdash$  |  |
|       |   | H        | -              | Н                                   | <u> </u> | -        | ├            | <u> </u>     | $\vdash$     | $\vdash$        |  |
|       | 141<br>142                                    |          | -              | $\vdash$                            | -        | $\vdash$ | $\vdash$     | -            | <del> </del> | $\vdash \vdash$ |  |
|       | 142   | $\vdash$ | <u> </u>       | $\vdash$                            | μ.       | -        | ļ. —         | H            | -            | $\vdash$        |  |
|       | 144   | H        | <u> </u>       |                                     |          |          | Ь—           | $\vdash$     | $\vdash$     | $\vdash\vdash$  |  |
|       | 144   |          | <u> </u>       |                                     | -        | $\vdash$ | $\vdash$     | $\vdash$     | -            | $\vdash \vdash$ |  |
|       | 145   |          | <u> </u>       |                                     |          |          | -            | -            | <del> </del> | $\vdash \vdash$ |  |
|       | 147   |          | <del>   </del> | -                                   |          | $\vdash$ | $\vdash$     |              | H            | $\dashv$        |  |
|       | 148   |          | -              |                                     |          | -        | -            |              |              | $\dashv$        |  |
|       | 148   | $\dashv$ | $\vdash$       | <u> </u>                            | _        | <u> </u> | $\vdash$     | $\vdash$     |              |                 |  |
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|       | 150   |          |                | لــا                                |          | l        | L            |              | L            |                 |  |